

Schreiber, David

88098

From: Ramirez, Delia
Sent: Thursday, February 27, 2003 7:05 PM
To: Schreiber, David
Subject: case 09/720451

Hi David,

I was wondering if you could do an alignment for me. I need seq id 6 (protein) aligned against seq id 5 (DNA). Both are sequences from the same case.

Thank you,
Delia

Delia M. Ramirez, Ph.D.
Patent Examiner
Recombinant Enzymes-Art Unit 1652
USPTO
1911 S. Clark Street, Crystal Mall 1, 10D06, Mail room 10D01
Arlington, VA 22202
(703) 306-0288
delia.ramirez@uspto.gov

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L1 QUE DIOXYGENAS? AND BACTER? AND (NAPHTHALE? OR TOLUE?)

FILE 'BIOTECHDS, BIOSIS, SCISEARCH, TOXCENTER, BIOTECHNO, PASCAL, USPATFULL, EMBASE, MEDLINE, CAPLUS, GENBANK, CABA, ESBIOBASE, LIFESCI'
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NEWS 36 Dec 17 TOXCENTER enhanced with additional content
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=> s dioxygenas? and bacter? and (naphthale? or tolué?)

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L1 QUE DIOXYGENAS? AND BACTER? AND (NAPHTHALE? OR TOLUE?)

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L2 5041 DIOXYGENAS? AND BACTER? AND (NAPHTHALE? OR TOLUE? OR AROMA?)

=> s 12 and (mutat? or mutagenes? or substit?)
L3 1169 L2 AND (MUTAT? OR MUTAGENES? OR SUBSTIT?)

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L6 3711 DIOXYGENAS?(S) (ALPH? OR LARG?(S) SUBUNI?)

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L9 59 DUP REM L8 (160 DUPLICATES REMOVED)

=> d ti 19 1-59

L9 ANSWER 1 OF 59 USPATFULL
TI Novel polypeptides and methods for their use

L9 ANSWER 2 OF 59 USPATFULL
TI Methods for the inhibition of epstein-barr virus transmission employing
anti-viral peptides capable of abrogating viral fusion and transmission

L9 ANSWER 3 OF 59 MEDLINE
TI (4-Hydroxyphenyl)pyruvate Dioxygenase from Streptomyces avermitilis: The
Basis for Ordered Substrate Addition.

L9 ANSWER 4 OF 59 USPATFULL
TI Novel Polynucleotides

L9 ANSWER 5 OF 59 USPATFULL
TI Stress-regulated genes of plants, transgenic plants containing same, and
methods of use

L9 ANSWER 6 OF 59 USPATFULL
TI Rapid quantitative analysis of proteins or protein function in complex
mixtures

L9 ANSWER 7 OF 59 USPATFULL
TI Methods for inhibition of membrane fusion-associated events, including
respiratory syncytial virus transmission

L9 ANSWER 8 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
1
TI Probing the 2,4-dichlorophenoxyacetate/alpha-ketoglutarate dioxygenase

substrate-binding site by site-directed mutagenesis and mechanism-based inactivation.

L9 ANSWER 9 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
2

TI X-ray crystal structure of Escherichia coli taurine/alpha-ketoglutarate dioxygenase complexed to ferrous iron and substrates.

L9 ANSWER 10 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI

TI Plasmid-borne genes code for an angular dioxygenase involved in dibenzofuran degradation by Terrabacter sp strain YK3;
gene cloning using a degenerate set of polymerase chain reaction primers for pollutant degradation

L9 ANSWER 11 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
4

TI Alteration of regiospecificity in biphenyl dioxygenase by active-site engineering.

L9 ANSWER 12 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
5

TI 4-chlorocatechol 1,2-dioxygenase from the chlorophenol-utilizing Gram-positive Rhodococcus opacus 1CP: Crystallization and preliminary crystallographic analysis.

L9 ANSWER 13 OF 59 USPATFULL

TI Screening method for the discovery and directed evolution of oxygenase enzymes

L9 ANSWER 14 OF 59 USPATFULL

TI Methods for controlling cell death in plants

L9 ANSWER 15 OF 59 USPATFULL

TI Polypeptide compositions for controlling cell death and disease resistance in plants

L9 ANSWER 16 OF 59 USPATFULL

TI Human respiratory syncytial virus peptides with antifusogenic and antiviral activities

L9 ANSWER 17 OF 59 USPATFULL

TI Nucleic acids from maize encoding proteins which suppress plant cell death

L9 ANSWER 18 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
6

TI Directed evolution of biphenyl dioxygenase: Emergence of enhanced degradation capacity for benzene, toluene, and alkylbenzenes.

L9 ANSWER 19 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI

TI Biotransformation of various substituted aromatic compounds to chiral dihydrodihydroxy derivatives;
stereospecific dihydrodiol production using Escherichia coli expressing the chlorobenzene-dioxygenase from Pseudomonas sp.

L9 ANSWER 20 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI Molecular and biochemical characterization of polycyclic aromatic degradation by Sphingomonas paucimobilis.

L9 ANSWER 21 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI Effects of multiple mutations at the active site of naphthalene dioxygenase.

L9 ANSWER 22 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
8

TI Alternative substrates of 2,4-dichlorophenoxyacetate/alpha-ketoglutarate dioxygenase.

L9 ANSWER 23 OF 59 TOXCENTER COPYRIGHT 2003 ACS DUPLICATE 9

TI Naphthalene dioxygenase .alpha.-subunit variants with modified enantioselectivities and their use for the biotransformation of aromatic compound to dihydrodihydroxy compounds

L9 ANSWER 24 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI

TI Novel naphthalene-dioxygenase mutant having a specific amino acid substitution for preparing chiral diols for use in the polymer, resin, pharmaceutical or rubber industry and for carrying out bioremediation; recombinant enzyme production for use in stereospecific chemical production

L9 ANSWER 25 OF 59 USPATFULL

TI Nucleic acid sequence of senescence assosciated gene

L9 ANSWER 26 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 10

TI Regioselectivity and enantioselectivity of naphthalene dioxygenase during arene cis-dihydroxylation: Control by phenylalanine 352 in the alpha subunit.

L9 ANSWER 27 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 11

TI Genetic investigation of the catabolic pathway for degradation of abietane diterpenoids by *Pseudomonas abietaniphila* BKME-9.

L9 ANSWER 28 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 12

TI Crystal structure of human homogentisate dioxygenase.

L9 ANSWER 29 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 13

TI Substitution, insertion, deletion, suppression, and altered substrate specificity in functional protocatechuate 3,4-dioxygenases.

L9 ANSWER 30 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 14

TI A novel aromatic-ring-hydroxylating dioxygenase from the diterpenoid-degrading bacterium *Pseudomonas abietaniphila* BKME-9.

L9 ANSWER 31 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 15

TI Aspartate 205 in the catalytic domain of naphthalene dioxygenase is essential for activity.

L9 ANSWER 32 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 16

TI *Beijerinckia* sp strain B1: A strain by any other name.

L9 ANSWER 33 OF 59 USPATFULL

TI CIS-dihydroxycyclohexadienes and their preparation

L9 ANSWER 34 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 17

TI Identification of chlorobenzene dioxygenase sequence elements involved in dechlorination of 1,2,4,5-tetrachlorobenzene.

L9 ANSWER 35 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 18

TI A gene cluster encoding steps in conversion of naphthalene to gentisate in *Pseudomonas* sp. strain U2.

L9 ANSWER 36 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
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TI The axial tyrosinate Fe³⁺ ligand in protocatechuate 3,4-dioxygenase influences substrate binding and product release: Evidence for new reaction cycle intermediates.

L9 ANSWER 37 OF 59 TOXCENTER COPYRIGHT 2003 ACS DUPLICATE 20

TI Engineering microorganisms capable of efficient degradation of chlorinated environmental pollutants

L9 ANSWER 38 OF 59 CABO COPYRIGHT 2003 CABI

TI Microbial degradation of aromatic compounds: aerobic versus anaerobic processes.

L9 ANSWER 39 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
21

TI Alkene monooxygenase from Xanthobacter strain Py2: Purification and characterization of a four-component system central to the bacterial metabolism of aliphatic alkenes.

L9 ANSWER 40 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI

TI Functional analysis of genes involved in monocyclic and polycyclic aromatic hydrocarbon degradation by *Sphingomonas yanoikuyae* B1; m-xylene degradation, biphenyl degradation, naphthalene degradation and phenanthrene degradation (conference abstract)

L9 ANSWER 41 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
22

TI Production of substituted naphthalene dihydrodiols by engineered *Escherichia coli* containing the cloned naphthalene 1,2-dioxygenase gene from *Pseudomonas fluorescens* N3.

L9 ANSWER 42 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI

TI Construction and expression of hybrid dioxygenases: comparison of oxidation products formed; naphthalene-1,2-dioxygenase and 2,4-dinitrotoluene-dioxygenase expression, for naphthalene, 2-nitrotoluene and 2,4-dinitrotoluene degradation (conference abstract)

L9 ANSWER 43 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
23

TI The cis-diol dehydrogenase *cbaC* gene of *Tn5271* is required for growth on 3-chlorobenzoate but not 3,4-dichlorobenzoate.

L9 ANSWER 44 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI

TI Characterization of an intradiol-dioxygenase involved in the biodegradation of the chlorophenoxy herbicides 2,4-D and 2,4,5-T; *Nocardoides simplex* hydroxyquinol-1,2-dioxygenase characterization; pesticide degradation

L9 ANSWER 45 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
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TI Cloning, overexpression, and mutagenesis of the gene for homoprotocatechuate 2,3-dioxygenase from *Brevibacterium fuscum*.

L9 ANSWER 46 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
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TI Site-directed mutagenesis of conserved amino acids in the **alpha** subunit of toluene dioxygenase: Potential mononuclear non-heme iron coordination sites.

L9 ANSWER 47 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI

TI 2-Aminophenol-1,6-dioxygenase: a novel aromatic ring-cleavage enzyme purified from *Pseudomonas pseudoalcaligenes* JS45; 2-aminophenol degradation (conference abstract)

L9 ANSWER 48 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI Site-directed **mutagenesis** of conserved residues in the
alpha subunit of **toluene dioxygenase**:
Potential mononuclear non-heme iron coordination sites.

L9 ANSWER 49 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
27
TI Cloning, sequencing, and expression of the *Pseudomonas putida*
protocatechuate 3,4-dioxygenase genes.

L9 ANSWER 50 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
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TI Gene components responsible for discrete substrate specificity in the
metabolism of biphenyl (bph operon) and toluene (tod operon).

L9 ANSWER 51 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
TI Catechols of novel substrates produced using the toluene ring oxidation
pathway of *Pseudomonas* sp. strain T-12;
production of 2,3-dihydroxy catechol derivatives of substituted
benzene substrates

L9 ANSWER 52 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
TI Toluene degradation by *Pseudomonas putida* F1: genetic organization of the
tod operon;
generation of Tn5 insertional mutations in the *Pseudomonas putida* F1
chromosome

L9 ANSWER 53 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
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TI METABOLISM OF TRYPTOPHAN BY PSEUDOMONAS-AUREOFACIENS AND ITS RELATIONSHIP
TO PYRROLNITRIN BIOSYNTHESIS.

L9 ANSWER 54 OF 59 LIFESCI COPYRIGHT 2003 CSA
TI Metabolism of Tryptophan by *Pseudomonas aureofaciens* and its Relationship
to Pyrrolnitrin Biosynthesis

L9 ANSWER 55 OF 59 GENBANK.RTM. COPYRIGHT 2003
TITLE (TI): Complete genome sequence and comparative analysis of
the metabolically versatile *Pseudomonas putida* KT2440
TITLE (TI): Direct Submission

L9 ANSWER 56 OF 59 GENBANK.RTM. COPYRIGHT 2003
TITLE (TI): Complete genome sequence of the model actinomycete
Streptomyces coelicolor A3(2)
TITLE (TI): Direct Submission

L9 ANSWER 57 OF 59 GENBANK.RTM. COPYRIGHT 2003
TITLE (TI): Genome sequence of *Yersinia pestis*, the causative agent
of plague
TITLE (TI): Direct Submission

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TITLE (TI) : Direct Submission

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108 FILE ESBIOWBASE
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2 FILE FROSTI
199 FILE GENBANK
3 FILE HEALSAFE
3 FILE IFIPAT
6 FILE JICST-EPLUS
106 FILE LIFESCI
211 FILE MEDLINE
1 FILE NIOSHTIC
8 FILE NTIS
4 FILE OCEAN
216 FILE PASCAL
297 FILE SCISEARCH
234 FILE TOXCENTER
214 FILE USPATFULL
2 FILE USPAT2
3 FILE WPIDS
3 FILE WPINDEX
5 FILE NLDB

QUE DIOXYGENAS? AND BACTER? AND (NAPHTHALE? OR TOLUE?)

FILE 'BIOTECHDS, BIOSIS, SCISEARCH, TOXCENTER, BIOTECHNO, PASCAL, USPATFULL, EMBASE, MEDLINE, CAPLUS, GENBANK, CABA, ESBIOWBASE, LIFESCI' ENTERED AT 11:36:21 ON 27 FEB 2003

L2 5041 S DIOXYGENAS? AND BACTER? AND (NAPHTHALE? OR TOLUE? OR AROMA?)
L3 1169 S L2 AND (MUTAT? OR MUTAGENES? OR SUBSTIT?)
L4 365 S L3 AND (ALPH? OR (LARG? (S) SUBUN? (S) TERMIN?))
L5 305 DUP REM L4 (60 DUPLICATES REMOVED)
L6 3711 S DIOXYGENAS? (S) (ALPH? OR LARG? (S) SUBUNI?)
L7 659 S L6 (S) (MUTA? OR SUBSTITU?)
L8 219 S L7 (S) (NAPHT? OR TOLUEN? OR PHENY? OR AROMA?)

WEST

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[Main Menu](#) [Search Form](#) [Posting Counts](#) [Show S Numbers](#) [Edit S Numbers](#) [Preferences](#) [Cases](#)

Search Results -

Terms	Documents
(parales.in. or gibson.in. or resnick.in. or kyoung.in.) and l3	1

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
Database: IBM Technical Disclosure Bulletins

Search: L5 Refine Search
Recall Text Clear

Search History

DATE: Thursday, February 27, 2003 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name
 result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR

<u>L5</u>	(parales.in. or gibson.in. or resnick.in. or kyoung.in.) and l3	1	<u>L5</u>
<u>L4</u>	dioxygenas\$3 same (toluen\$3 or naphthal\$4 or aroma\$3 or phenyl\$3) same (alph\$3 or subuni\$3)	38	<u>L4</u>
<u>L3</u>	alph\$3 and L2	120	<u>L3</u>
<u>L2</u>	(muta\$7 or substitut\$3) and L1	205	<u>L2</u>
<u>L1</u>	dioxygenas\$3 and (toluen\$3 or naphthal\$4) and bacter\$3	218	<u>L1</u>

END OF SEARCH HISTORY

WEST

Search Results - Record(s) 1 through 10 of 38 returned. 1. Document ID: US 20030022335 A1

L4: Entry 1 of 38

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030022335
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030022335 A1

TITLE: Novel polypeptides and methods for their use

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Parales, Rebecca	Iowa City	IA	US	
Gibson, David	Iowa City	IA	US	
Resnick, Sol	Encinitas	CA	US	
Lee, Kyoung	Kyongnam		KR	

US-CL-CURRENT: 435/190; 435/320.1, 435/325, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Draw Desc
Image												

 2. Document ID: US 20020119462 A1

L4: Entry 2 of 38

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020119462
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020119462 A1

TITLE: Molecular toxicology modeling

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mendrick, Donna L.	Mount Airy	MD	US	
Porter, Mark W.	Germantown	MD	US	
Johnson, Kory R.	Bethesda	MD	US	
Castle, Arthur L.	Washington	DC	US	
Elashoff, Michael R.	Germantown	MD	US	

US-CL-CURRENT: 435/6; 702/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc
Image												

3. Document ID: US 20020111500 A1

L4: Entry 3 of 38

File: PGPB

Aug 15, 2002

PGPUB-DOCUMENT-NUMBER: 20020111500

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020111500 A1

TITLE: Preparation of 4-hydroxy-3 [2H] -furanones

PUBLICATION-DATE: August 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Selifonov, Sergey A.	Plymouth	MN	US	
Newman, Lisa M.	Sunnyvale	CA	US	

US-CL-CURRENT: 549/477; 435/126

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc
Image												

4. Document ID: US 20020028444 A1

L4: Entry 4 of 38

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028444

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020028444 A1

TITLE: METHOD AND KITS FOR PREPARING MULTICOMPONENT NUCLEIC ACID CONSTRUCTS

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
HARNEY, PETER D.	ALISO VIEJO	CA	US	
HARNEY, JENNIFER	ALISO VIEJO	CA	US	

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc
Image												

5. Document ID: US 20020025517 A1

L4: Entry 5 of 38

File: PGPB

Feb 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020025517

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020025517 A1

TITLE: METHODS AND COMPOSITIONS FOR CELLULAR AND METABOLIC ENGINEERING

PUBLICATION-DATE: February 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
MINSHULL, JEREMY	SAN FRANCISCO	CA	US	
STEMMER, WILLEM P. C.	LOS GATOS	CA	US	

US-CL-CURRENT: 435/6; 435/91.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMNC	Drawn Desc
Image											

6. Document ID: US 20010055786 A1

L4: Entry 6 of 38

File: PGPB

Dec 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010055786

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010055786 A1

TITLE: Screening method for the discovery and directed evolution of oxygenase enzymes

PUBLICATION-DATE: December 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Arnold, Frances H.	Pasadena	CA	US	
Joern, John	Pasadena	CA	US	
Sakamoto, Takeshi	Machidashi	CA	JP	
Schwaneberg, Ulrich	Pasadena		US	

US-CL-CURRENT: 435/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMNC	Drawn Desc
Image											

7. Document ID: US 20010013135 A1

L4: Entry 7 of 38

File: PGPB

Aug 9, 2001

PGPUB-DOCUMENT-NUMBER: 20010013135

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010013135 A1

TITLE: Methods for controlling cell death in plants

PUBLICATION-DATE: August 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Briggs, Steven P.	Des Moines	IA	US	
Johal, Gurmukh S.	Columbia	MO	US	
Gray, John	Cork City		IE	

US-CL-CURRENT: 800/279

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KUMC	Drawn Desc
Image											

8. Document ID: US 20010012886 A1

L4: Entry 8 of 38

File: PGPB

Aug 9, 2001

PGPUB-DOCUMENT-NUMBER: 20010012886

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010012886 A1

TITLE: Polypeptide compositions for controlling cell death and disease resistance in plants

PUBLICATION-DATE: August 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Briggs, Steven P.	Des Moines	IA	US	
Johal, Gurmukh S.	Columbia	MO	US	
Gray, John	Cork City		IE	

US-CL-CURRENT: 530/370

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KUMC	Drawn Desc
Image											

9. Document ID: US 6518013 B1

L4: Entry 9 of 38

File: USPT

Feb 11, 2003

US-PAT-NO: 6518013

DOCUMENT-IDENTIFIER: US 6518013 B1

TITLE: Methods for the inhibition of epstein-barr virus transmission employing anti-viral peptides capable of abrogating viral fusion and transmission

DATE-ISSUED: February 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 435/5; 424/230.1, 530/300, 530/324, 530/325, 530/326

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC	Draw Desc
<input type="checkbox"/> Image											

 10. Document ID: US 6495318 B2

L4: Entry 10 of 38

File: USPT

Dec 17, 2002

US-PAT-NO: 6495318

DOCUMENT-IDENTIFIER: US 6495318 B2

TITLE: Method and kits for preparing multicomponent nucleic acid constructs

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harney; Peter D.	late of Aliso Viejo	CA		

US-CL-CURRENT: 435/6, 435/254.2, 435/320.1, 435/91.1, 435/91.2, 536/22.1, 536/24.3,
536/24.33, 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC	Draw Desc
<input type="checkbox"/> Image											

Terms	Documents
dioxygenas\$3 same (toluen\$3 or naphthal\$4 or aroma\$3 or phenyl\$3) same (alph\$3 or subuni\$3)	38

Display Format: Previous Page Next Page

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Search Results - Record(s) 11 through 20 of 38 returned.

 11. Document ID: US 6479055 B1

L4: Entry 11 of 38

File: USPT

Nov 12, 2002

US-PAT-NO: 6479055

DOCUMENT-IDENTIFIER: US 6479055 B1

TITLE: Methods for inhibition of membrane fusion-associated events, including respiratory syncytial virus transmission

DATE-ISSUED: November 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bolognesi; Dani Paul	Durham	NC		
Matthews; Thomas James	Durham	NC		
Wild; Carl T.	Durham	NC		
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		
Langlois; Alphonse J.	Durham	NC		

US-CL-CURRENT: 424/211.1; 424/186.1, 530/324

<input type="button" value="Full"/>	<input type="button" value="Title"/>	<input type="button" value="Citation"/>	<input type="button" value="Front"/>	<input type="button" value="Review"/>	<input type="button" value="Classification"/>	<input type="button" value="Date"/>	<input type="button" value="Reference"/>	<input type="button" value="Sequences"/>	<input type="button" value="Attachments"/>	<input type="button" value="KMC"/>	<input type="button" value="Draw. Desc"/>
<input type="button" value="Image"/>											

 12. Document ID: US 6465410 B1

L4: Entry 12 of 38

File: USPT

Oct 15, 2002

US-PAT-NO: 6465410

DOCUMENT-IDENTIFIER: US 6465410 B1

TITLE: Laundry detergent and/or fabric care composition comprising a modified antimicrobial protein

DATE-ISSUED: October 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bettiol; Jean-Luc Philippe	Brussels			BE
Smets; Johan	Lubbeek			BE
Boyer; Stanton Lane	Fairfield	OH		

US-CL-CURRENT: 510/392; 435/188, 435/68.1, 435/69.1, 435/7.1, 510/276, 510/305,

510/312, 510/320, 510/374

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KUMC	Drawn Desc
Image											

13. Document ID: US 6391640 B1

L4: Entry 13 of 38

File: USPT

May 21, 2002

US-PAT-NO: 6391640

DOCUMENT-IDENTIFIER: US 6391640 B1

TITLE: Methods and compositions for cellular and metabolic engineering

DATE-ISSUED: May 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Minshull; Jeremy	San Francisco	CA		
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 435/91.2, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KUMC	Drawn Desc
Image											

14. Document ID: US 6309883 B1

L4: Entry 14 of 38

File: USPT

Oct 30, 2001

US-PAT-NO: 6309883

DOCUMENT-IDENTIFIER: US 6309883 B1

TITLE: Methods and compositions for cellular and metabolic engineering

DATE-ISSUED: October 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Minshull; Jeremy	San Francisco	CA		
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KUMC	Drawn Desc
Image											

15. Document ID: US 6303354 B1

L4: Entry 15 of 38

File: USPT

Oct 16, 2001

US-PAT-NO: 6303354

DOCUMENT-IDENTIFIER: US 6303354 B1

TITLE: Microbial production of indigo

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weyler; Walter	San Francisco	CA		
Dodge; Timothy C.	Rochester	NY		
Lauff; John J.	Rochester	NY		
Wendt; Dan J.	San Mateo	CA		

US-CL-CURRENT: 435/170; 435/121, 435/195, 435/41

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Drawn Desc
Image											

16. Document ID: US 6265162 B1

L4: Entry 16 of 38

File: USPT

Jul 24, 2001

US-PAT-NO: 6265162

DOCUMENT-IDENTIFIER: US 6265162 B1

TITLE: Method of identifying, detecting and monitoring microorganisms by an aromatic ring hydroxylase dioxygenase gene

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoaki; Toshihiro	Chiba			JP
Suzuki; Asaka	Chiba			JP

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Drawn Desc
Image											

17. Document ID: US 6228983 B1

L4: Entry 17 of 38

File: USPT

May 8, 2001

US-PAT-NO: 6228983

DOCUMENT-IDENTIFIER: US 6228983 B1

TITLE: Human respiratory syncytial virus peptides with antifusogenic and antiviral activities

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 530/300; 424/186.1, 424/211.1, 530/324, 530/325, 530/326

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC	Draw Desc
Image											

18. Document ID: US 6211437 B1

L4: Entry 18 of 38

File: USPT

Apr 3, 2001

US-PAT-NO: 6211437

DOCUMENT-IDENTIFIER: US 6211437 B1

TITLE: Nucleic acids from maize encoding proteins which suppress plant cell death

DATE-ISSUED: April 3, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Briggs; Steven P.	Des Monines	IA		
Johal; Gurmukh S.	Columbia	MO		
Gray; John	Cork			IE

US-CL-CURRENT: 800/298; 435/320.1, 536/23.6, 800/278

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC	Draw Desc
Image											

19. Document ID: US 6190892 B1

L4: Entry 19 of 38

File: USPT

Feb 20, 2001

US-PAT-NO: 6190892

DOCUMENT-IDENTIFIER: US 6190892 B1

TITLE: Microbial production of indigo

DATE-ISSUED: February 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weyler; Walter	San Francisco	CA		
Dodge; Timothy C.	Rochester	NY		
Lauff; John J.	Rochester	NY		
Wendt; Dan J.	San Mateo	CA		

US-CL-CURRENT: 435/170; 435/195, 435/252.3, 435/252.33, 435/320.1, 435/41, 435/440,
435/455, 435/69.1, 536/23.1, 536/23.2, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc
Image											

20. Document ID: US 6093794 A

L4: Entry 20 of 38

File: USPT

Jul 25, 2000

US-PAT-NO: 6093794

DOCUMENT-IDENTIFIER: US 6093794 A

TITLE: Isolated peptides derived from the Epstein-Barr virus containing fusion inhibitory domains

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 530/300; 424/186.1, 424/230.1, 530/324, 530/325, 530/326, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc
Image											

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Terms	Documents
dioxygenas\$3 same (toluen\$3 or naphthal\$4 or aroma\$3 or phenyl\$3) same (alph\$3 or subuni\$3)	38

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L4: Entry 21 of 38

File: USPT

Jul 18, 2000

US-PAT-NO: 6090593

DOCUMENT-IDENTIFIER: US 6090593 A

TITLE: Isolation of expressed genes in microorganisms

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fleming; James T.	Knoxville	TN		
Sayler; Gary S.	Blaine	TN		

US-CL-CURRENT: 435/91.2; 435/6, 435/91.1, 435/91.21, 536/23.1, 536/23.2, 536/23.7,
536/24.33

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Drawn Desc
Image											

 22. Document ID: US 6068973 A

L4: Entry 22 of 38

File: USPT

May 30, 2000

US-PAT-NO: 6068973

DOCUMENT-IDENTIFIER: US 6068973 A

TITLE: Methods for inhibition of membrane fusion-associated events, including influenza virus

DATE-ISSUED: May 30, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 435/5; 424/147.1, 424/206.1, 424/230.1, 530/324, 530/389.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Drawn Desc
Image											

23. Document ID: US 6060065 A

L4: Entry 23 of 38

File: USPT

May 9, 2000

US-PAT-NO: 6060065

DOCUMENT-IDENTIFIER: US 6060065 A

TITLE: Compositions for inhibition of membrane fusion-associated events, including influenza virus transmission

DATE-ISSUED: May 9, 2000

INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 424/209.1; 424/186.1, 424/192.1, 424/206.1, 530/300, 530/324, 530/325,
530/326, 530/327, 530/328, 530/329, 530/330

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc
Image											

 24. Document ID: US 6054265 A

L4: Entry 24 of 38

File: USPT

Apr 25, 2000

US-PAT-NO: 6054265

DOCUMENT-IDENTIFIER: US 6054265 A

TITLE: Screening assays for compounds that inhibit membrane fusion-associated events

DATE-ISSUED: April 25, 2000

INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway, Jr.; Stephen Robert	Cary	NC		

US-CL-CURRENT: 435/5; 435/7.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc
Image											

 25. Document ID: US 6017536 A

L4: Entry 25 of 38

File: USPT

Jan 25, 2000

US-PAT-NO: 6017536

DOCUMENT-IDENTIFIER: US 6017536 A

TITLE: Simian immunodeficiency virus peptides with antifusogenic and antiviral

activities

DATE-ISSUED: January 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		
Langlois; Alphonse J.	Durham	NC		

US-CL-CURRENT: 424/188.1; 424/208.1, 530/300, 530/324, 530/325, 530/326

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC	Drawn Desc
Image											

26. Document ID: US 6013263 A

L4: Entry 26 of 38

File: USPT

Jan 11, 2000

US-PAT-NO: 6013263

DOCUMENT-IDENTIFIER: US 6013263 A

TITLE: Measles virus peptides with antifusogenic and antiviral activities

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 424/212.1; 424/184.1, 424/186.1, 530/300, 530/324, 530/325, 530/326

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC	Drawn Desc
Image											

27. Document ID: US 5925806 A

L4: Entry 27 of 38

File: USPT

Jul 20, 1999

US-PAT-NO: 5925806

DOCUMENT-IDENTIFIER: US 5925806 A

TITLE: Controlled expression of transgenic constructs in plant plastids

DATE-ISSUED: July 20, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McBride; Kevin E.	Davis	CA	95616	
Stalker; David M.	Davis	CA	95616	

US-CL-CURRENT: 800/298; 435/320.1, 435/419, 536/23.2, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC	Drawn Desc
Image											

28. Document ID: US 5866396 A

L4: Entry 28 of 38

File: USPT

Feb 2, 1999

US-PAT-NO: 5866396

DOCUMENT-IDENTIFIER: US 5866396 A

TITLE: Microbial production of indigo

DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weyler; Walter	San Francisco	CA	94131	
Dodge; Timothy C.	Rochester	NY	14617	
Lauff; John J.	Rochester	NY	14612	
Wendt; Dan J.	San Mateo	CA	94401	

US-CL-CURRENT: 435/195; 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC	Drawn Desc
Image											

29. Document ID: US 5837458 A

L4: Entry 29 of 38

File: USPT

Nov 17, 1998

US-PAT-NO: 5837458

DOCUMENT-IDENTIFIER: US 5837458 A

TITLE: Methods and compositions for cellular and metabolic engineering

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Minshull; Jeremy	San Francisco	CA		
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC	Drawn Desc
Image											

30. Document ID: US 5763689 A

L4: Entry 30 of 38

File: USPT

Jun 9, 1998

US-PAT-NO: 5763689
DOCUMENT-IDENTIFIER: US 5763689 A

TITLE: CIS-dihydroxycyclohexadienes and their preparation

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boyd; Derek R.	Belfast			GB
Dalton; Howard	Coventry			GB

US-CL-CURRENT: 568/832; 568/823

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWD	Drawn Desc
Image											

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Terms	Documents
dioxygenas\$3 same (toluen\$3 or naphthal\$4 or aroma\$3 or phenyl\$3) same (alph\$3 or subuni\$3)	38

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Search Results - Record(s) 31 through 38 of 38 returned. 31. Document ID: US 5576198 A

L4: Entry 31 of 38

File: USPT

Nov 19, 1996

US-PAT-NO: 5576198

DOCUMENT-IDENTIFIER: US 5576198 A

TITLE: Controlled expression of transgenic constructs in plant plastids

DATE-ISSUED: November 19, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McBride; Kevin E.	Davis	CA		
Stalker; David M.	Davis	CA		

US-CL-CURRENT: 435/91.3; 435/419, 800/298

<input type="button" value="Full"/>	<input type="button" value="Title"/>	<input type="button" value="Citation"/>	<input type="button" value="Front"/>	<input type="button" value="Review"/>	<input type="button" value="Classification"/>	<input type="button" value="Date"/>	<input type="button" value="Reference"/>	<input type="button" value="Sequences"/>	<input type="button" value="Attachments"/>	<input type="button" value="KMC"/>	<input type="button" value="Drawn Desc"/>
<input type="button" value="Image"/>											

 32. Document ID: US 5494816 A

L4: Entry 32 of 38

File: USPT

Feb 27, 1996

US-PAT-NO: 5494816

DOCUMENT-IDENTIFIER: US 5494816 A

TITLE: Enhanced indole biosynthesis

DATE-ISSUED: February 27, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murdock; Douglas C.	Thousand Oaks	CA		

US-CL-CURRENT: 435/183; 435/122, 435/156, 435/252.3, 435/252.33, 435/252.34,
435/320.1, 435/69.1, 435/71.1, 536/22.1, 536/23.1, 536/23.2, 536/23.7

<input type="button" value="Full"/>	<input type="button" value="Title"/>	<input type="button" value="Citation"/>	<input type="button" value="Front"/>	<input type="button" value="Review"/>	<input type="button" value="Classification"/>	<input type="button" value="Date"/>	<input type="button" value="Reference"/>	<input type="button" value="Sequences"/>	<input type="button" value="Attachments"/>	<input type="button" value="KMC"/>	<input type="button" value="Drawn Desc"/>
<input type="button" value="Image"/>											

 33. Document ID: US 5374543 A

L4: Entry 33 of 38

File: USPT

Dec 20, 1994

US-PAT-NO: 5374543
DOCUMENT-IDENTIFIER: US 5374543 A

TITLE: Enhanced indole biosynthesis

DATE-ISSUED: December 20, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murdock; Douglas C.	Thousand Oaks	CA		

US-CL-CURRENT: 435/122; 435/156, 435/252.3, 435/252.33, 435/252.34, 435/320.1,
435/414, 435/419, 435/69.1, 435/71.1, 536/22.1, 536/23.1, 536/23.2, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc
Image											

34. Document ID: US 5278057 A

L4: Entry 34 of 38

File: USPT

Jan 11, 1994

US-PAT-NO: 5278057
DOCUMENT-IDENTIFIER: US 5278057 A

TITLE: Transformation of plants to introduce closely linked markers

DATE-ISSUED: January 11, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jorgensen; Richard A.	Berkeley	CA		

US-CL-CURRENT: 800/266; 435/69.1, 435/70.1, 800/306, 800/314, 800/317.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc
Image											

35. Document ID: US 5180873 A

L4: Entry 35 of 38

File: USPT

Jan 19, 1993

US-PAT-NO: 5180873
DOCUMENT-IDENTIFIER: US 5180873 A

TITLE: Transformation of plants to introduce closely linked markers

DATE-ISSUED: January 19, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jorgensen; Richard A.	Berkeley	CA		

US-CL-CURRENT: 800/266; 435/183, 435/69.1, 47/DIG.1, 800/274, 800/298, 800/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw. Desc
Image											

36. Document ID: US 4520103 A

L4: Entry 36 of 38

File: USPT

May 28, 1985

US-PAT-NO: 4520103

DOCUMENT-IDENTIFIER: US 4520103 A

TITLE: Microbial production of indigo

DATE-ISSUED: May 28, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ensley, Jr.; Burt D.	Thousand Oaks	CA		

US-CL-CURRENT: 435/121; 435/320.1, 435/488, 435/849, 435/877

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw. Desc
Image											

37. Document ID: WO 9611283 A1

L4: Entry 37 of 38

File: EPAB

Apr 18, 1996

PUB-NO: WO009611283A1

DOCUMENT-IDENTIFIER: WO 9611283 A1

TITLE: COMPOSITIONS AND METHODS FOR DETECTION OF 2,4-DICHLOROPHOXYACETIC ACID AND RELATED COMPOUNDS

PUBN-DATE: April 18, 1996

INVENTOR-INFORMATION:

NAME	COUNTRY
CRAWFORD, RONALD L	
GU, YONGXIANG	
KORUS, ROGER A	
KNAEBEL, DAVID B	

INT-CL (IPC): C12 Q 1/00; C12 Q 1/26; C12 N 5/00

EUR-CL (EPC): C12N009/02; C12Q001/26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw. Desc
Image											

38. Document ID: WO 200037480 A1 AU 200011339 A

L4: Entry 38 of 38

File: DWPI

Jun 29, 2000

DERWENT-ACC-NO: 2000-452174

DERWENT-WEEK: 200039

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TITLE: Novel naphthalene dioxygenase mutant having a specific amino acid substitution for preparing chiral diols for use in the polymer, resin, pharmaceutical or rubber industry and for carrying out bioremediation

INVENTOR: GIBSON, D; LEE, K ; PARALES, R ; RESNICK, S

PRIORITY-DATA: 1998US-105575P (October 26, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200037480 A1	June 29, 2000	E	144	C07H021/02
AU 200011339 A	July 12, 2000		000	C07H021/02

INT-CL (IPC): C07 H 21/02; C07 H 21/04; C12 N 9/00; C12 N 9/02; C12 N 15/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KDDC	Draw. Desc
Image											

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dioxygenas\$3 same (toluen\$3 or naphthal\$4 or aroma\$3 or phenyl\$3) same (alph\$3 or subuni\$3)	38

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